

### Abstract of the Disclosure

A ventilating and particle-filtering airflow system, and related methodology, for managing the flow of air to the brush region of an on-board aircraft (vehicle) electrical generator. Conduit structure collects intaken air during aircraft (vehicle) engine  
5 operation, filters this air to capture and prevent the passage of particles, and directs filtered airflow to that brush region. Water drainage is provided for in a region near where filtering takes place. The filtered airflow is substantially the only airflow admitted to this region.